



Franklin Road Bridge over NS Railway

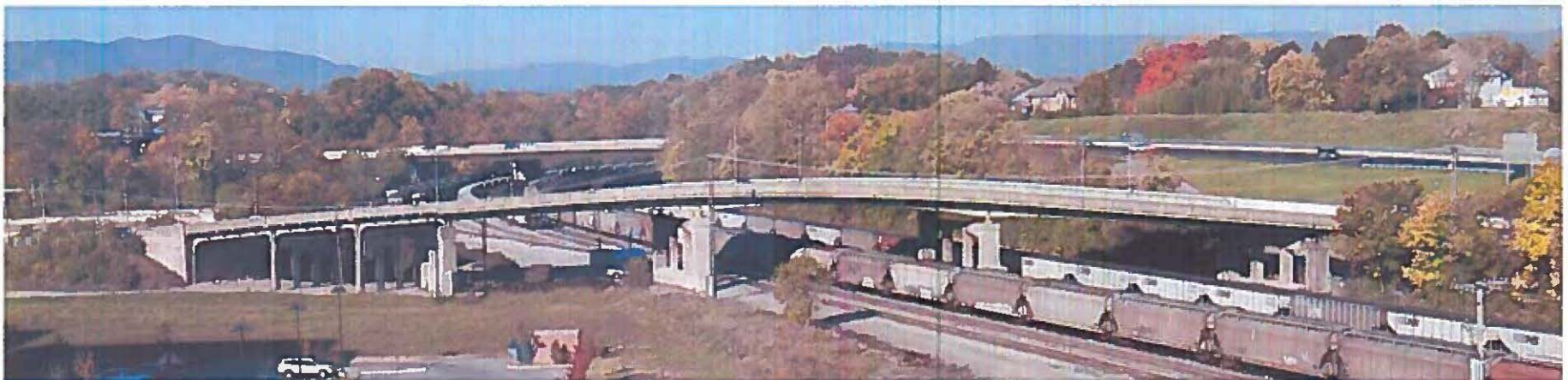
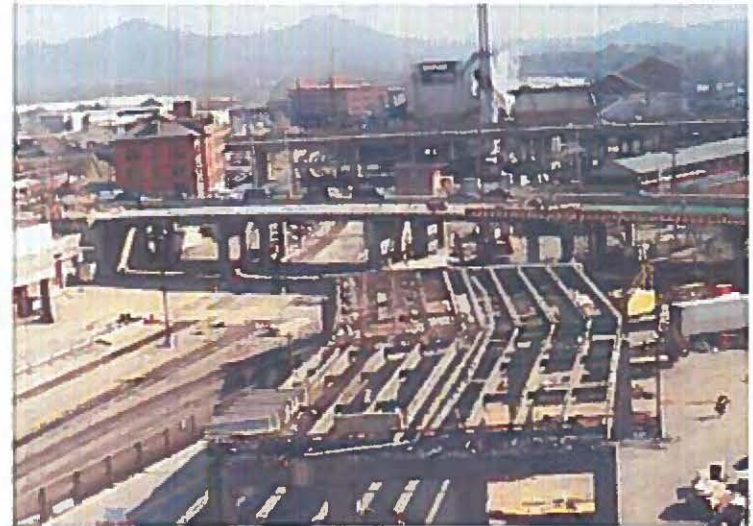
City of Roanoke



Franklin Road Bridge Replacement



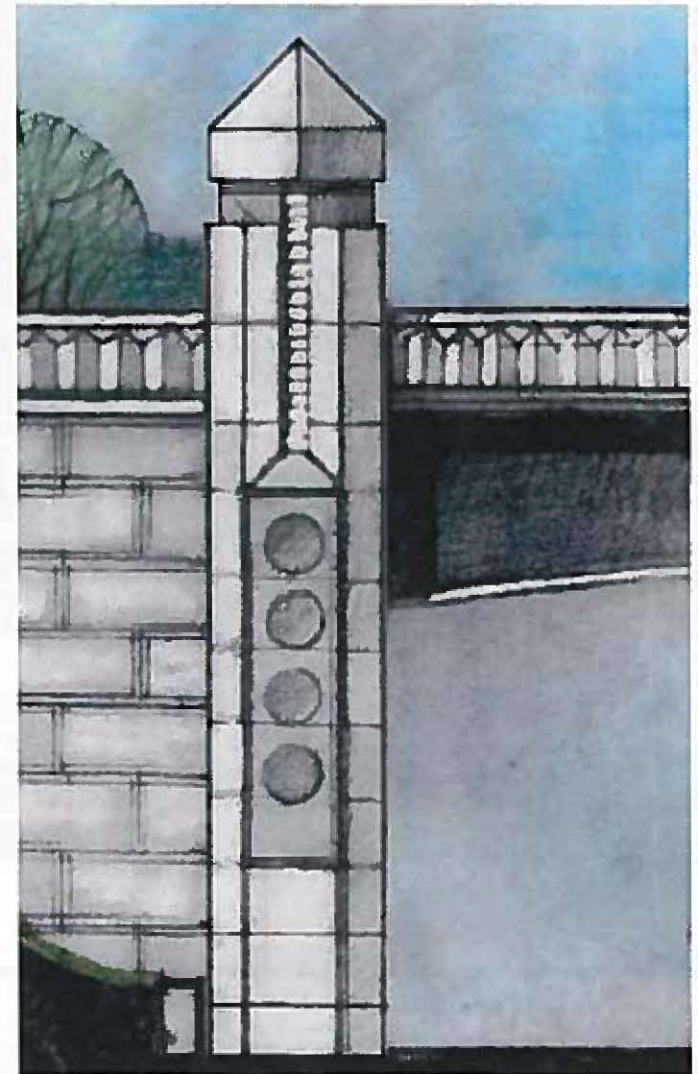
- Schedule
 - Study Phase – completed
 - Design Phase – underway
 - Construction Phase – Begin 2016
- Tasks
 - Bridge Design
 - NS Railroad Coordination
 - Aesthetic Development



Bridge Aesthetic Considerations



- Context of Site – Gateway Crossing
- Old Southwest Neighborhood
- South Jefferson Development Plan
- Constructability
- Durability & Maintenance
- Visual Perspectives



Perspective from Route 220



Perspective from Reserve Avenue



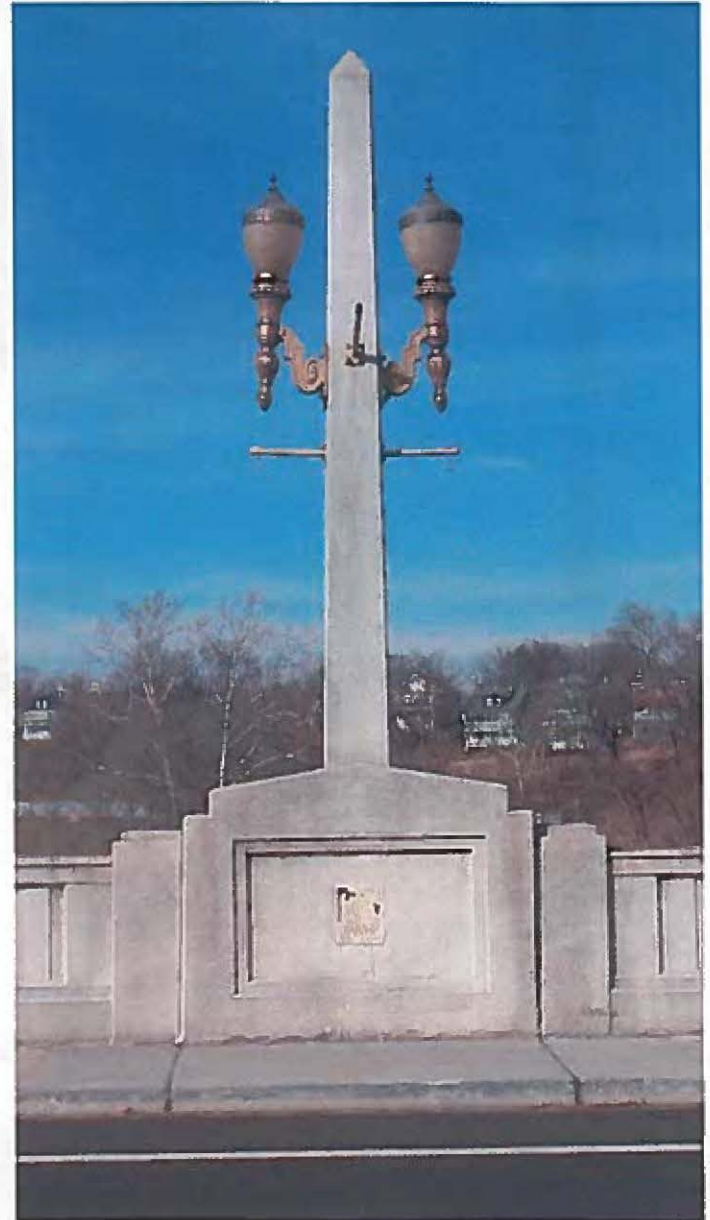
Bridge Users (Vehicle and Pedestrian)



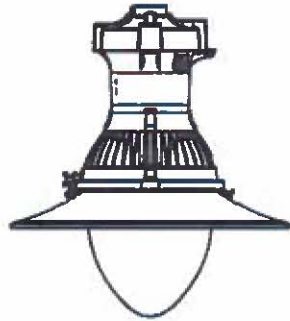
Bridge Aesthetic Considerations



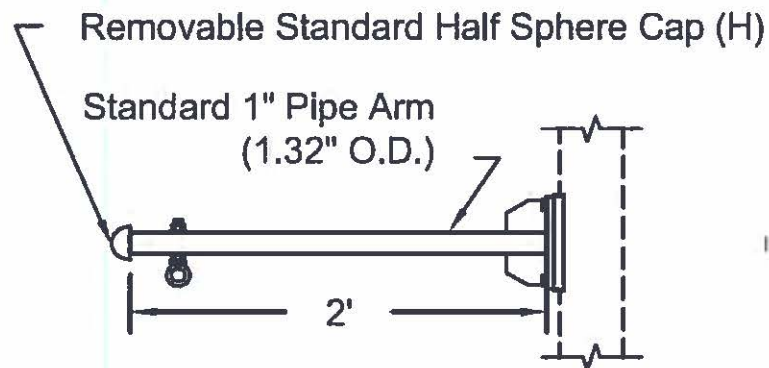
- Emphasize user perspective
- Gateway crossing
- Simple and classic
- View from Riverside Center
- Aesthetic Features
 - Roadway Lighting
 - Bridge Railing
 - Gateway Features
 - Approach Walls



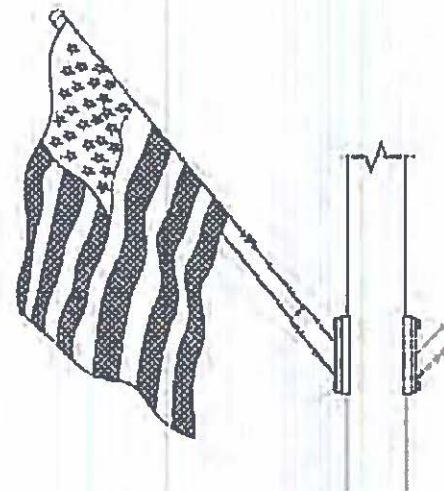
Roadway Lighting



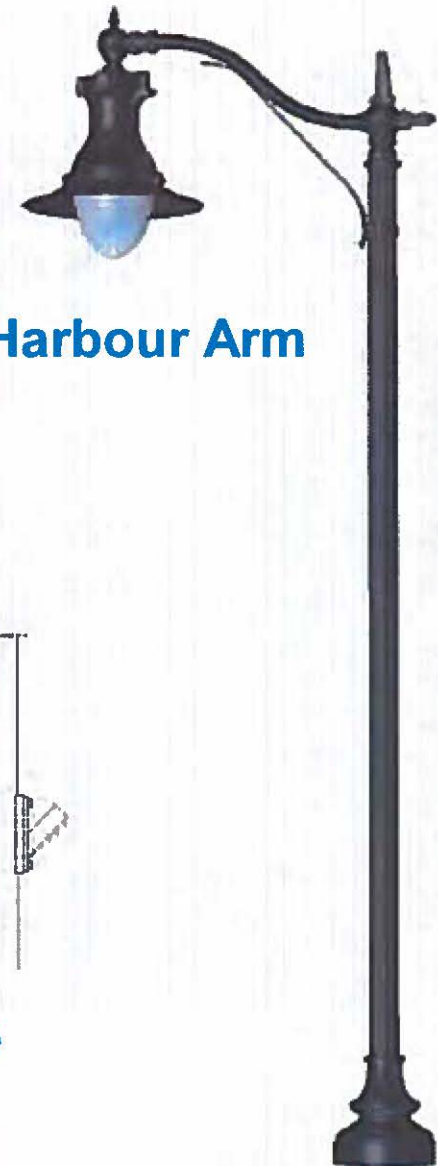
Luminaire Skirts



Hanger Arm



Flagpole Holder



Boston Harbour Arm

Roadway Lighting



“Boston Harbour” Arm



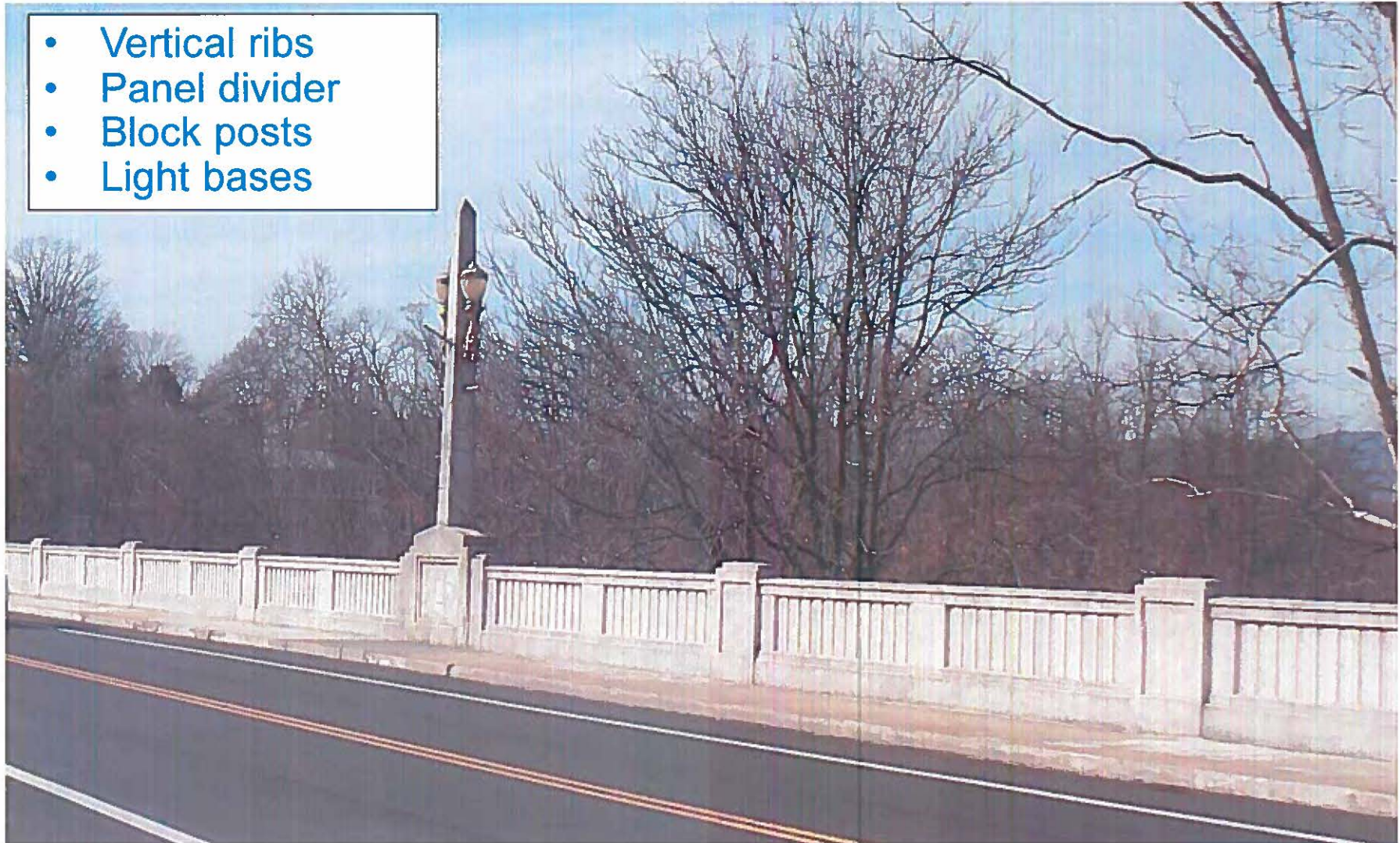
Elm Avenue

Bridge Railing



Consider Memorial Avenue, Walnut Avenue, Jefferson Street Bridges

- Vertical ribs
- Panel divider
- Block posts
- Light bases



Bridge Lighting and Railing



Proposed Bridge Cross Section



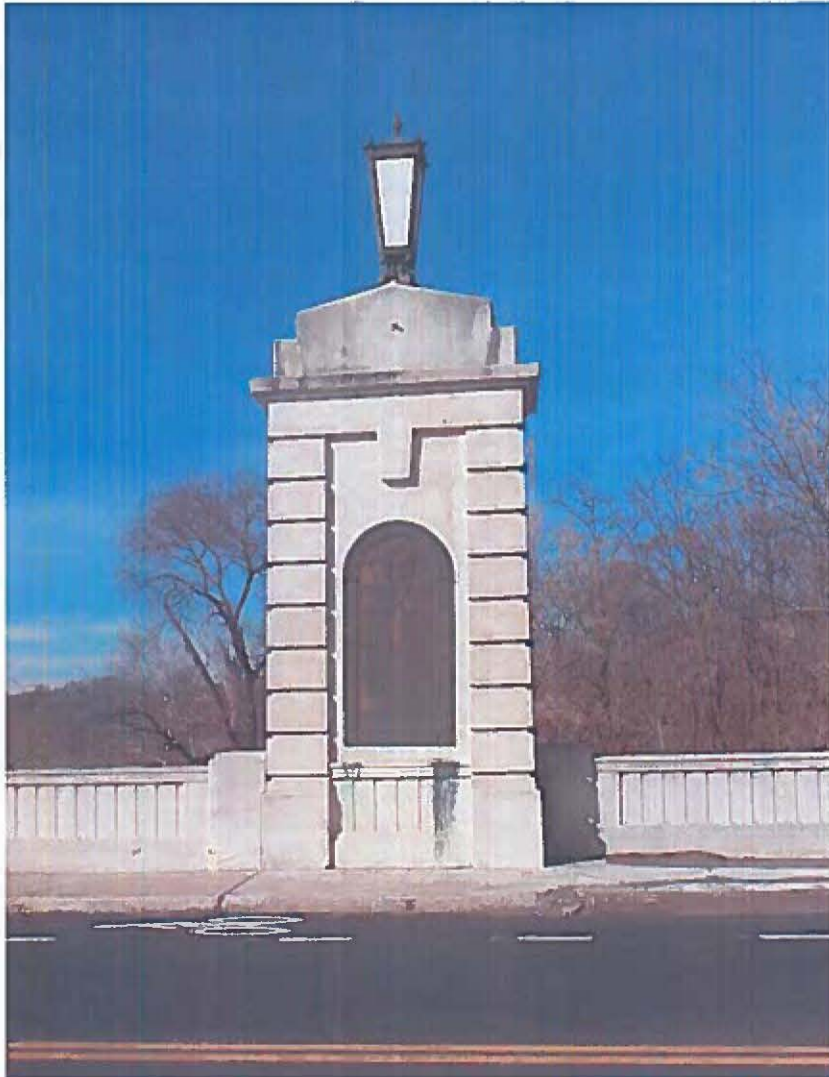
- Roadway lighting
- Railing panels

- Open cross section
- Flatter grade

Corridor Gateway



Memorial Avenue Bridge Pylons



Corridor Gateway



Gateway Pylons



- Square cross section
- Recess center panel on each face
- Decorative metal panel
- Backlighting at night

Gateway Pylons



- Open cross section
- Roadway grade

- Roadway lighting
- Gateway pylons

Corridor Gateway



Reserve Avenue Intersection

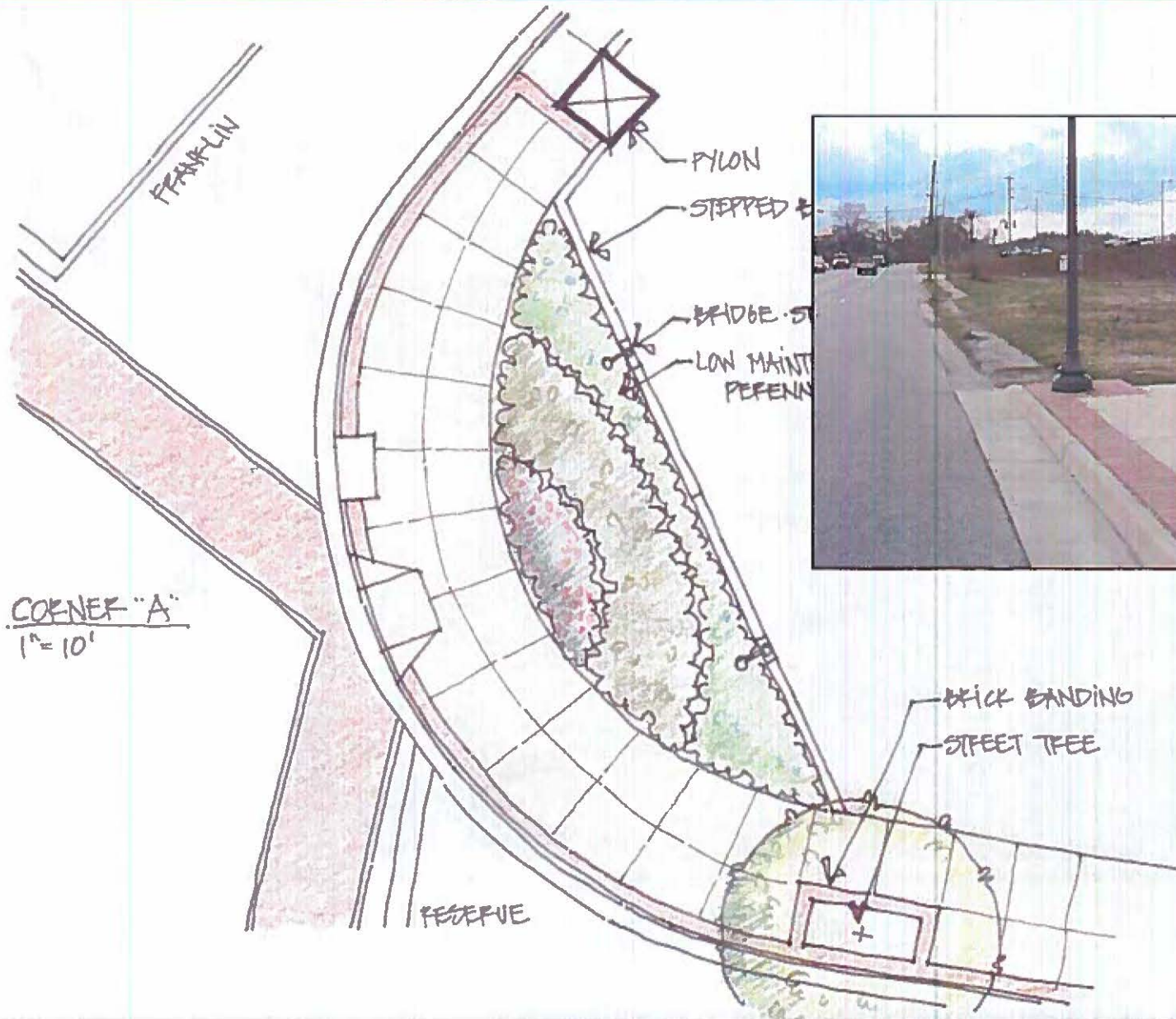


Intersection of Jefferson and Reserve



South Jefferson Redevelopment
2012 Design Guidelines

Reserve Avenue Intersection



Reserve Avenue Intersection



Abutments and Retaining Walls



View from Reserve Avenue

Abutments and Retaining Walls



- Flat grading
- Gateway pylon
- Lighting pilaster
- Arched wall coping
- Textured wall face
- Pier features

Abutments and Retaining Walls



- Gateway pylon
- Lighting pilaster
- Reserve Avenue transition
- Back face of bridge rail
- Textured wall face
- Open railing

Proposed Bridge Overview

